

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number:

101574,469  
EFWP  
CF17-06

Source:

Date Processed by STIC:

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006  
TIME: 12:29:11

Input Set : A:\SQ-AIA-113.ST25.txt  
Output Set: N:\CRF4\04172006\J574469.raw

3 <110> APPLICANT: Aoki, Hirofumi  
4       Kodama, Tatsuhiko  
5       Hasegawa, Kiyotaka  
6       Kajiya, Kentaro  
7       Ishimatsu, Yumiko  
8       Ogou, Masashi  
9       Yoshida, Seiichi  
10      Kishimoto, Jiro  
11      Moro, Osamu  
13. <130> TITLE OF INVENTION: Methods for Predicting Skin Stain Formation and for  
Screening  
14      Agent Capable of Inhibiting Skin Stain Formation by Means of  
15      Promoted Genes in Stained Regions as an Indicator  
17 <130> FILE REFERENCE: AIA-113-PCT  
C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/574,469  
C--> 19 <141> CURRENT FILING DATE: 2006-03-31  
19 <150> PRIOR APPLICATION NUMBER: JP 2003-343549  
20 <151> PRIOR FILING DATE: 2003-10-01  
22 <150> PRIOR APPLICATION NUMBER: JP 2003-344786  
23 <151> PRIOR FILING DATE: 2003-10-02  
25 <160> NUMBER OF SEQ ID NOS: 7  
27 <170> SOFTWARE: PatentIn version 3.3  
29 <210> SEQ ID NO: 1  
30 <211> LENGTH: 758  
31 <212> TYPE: DNA  
32 <213> ORGANISM: Mouse  
35 <220> FEATURE:  
38 <400> SEQUENCE: 1  
W--> 39 aaac~~cc~~ttt cgtggcacag cttc~~cc~~ccttccct aggcgtgaga ctccggctcc ttcactatga 60  
41 gacttctagc ccttccgg~~t~~ ctgctctgca tgctgctcct ctgtttctgc atttctcct 120  
43 cagaagg~~gg~~ag aagacatcct gccaagtcct tgaaactcag gcgctgctgt cacctatctc 180  
45 ctagatccaa gctgacaacc tgaaaaggaa accacacaag gccctgcaga ctctgcagaa 240  
47 acaagctacc agtcaagtca tgggtgg~~t~~gc ctggggctct cccacagata tagggcctcc 300  
49 tccgcccaga tgaagcg~~t~~tg atgcccagat gtggagacac cagaagcata cacactatgt 360  
51 tgccttgccc cttgccaatg agctgtgaca ctggaatgtc tcaacttcaga catcaggcg 420  
53 gatggattgc agaattccaa gtcc~~t~~cattc caaagg~~t~~gtc accaac~~t~~tc agagtca~~t~~cta 480  
55 aggtccaggc tcagccaca agt~~c~~accat~~t~~g gtc~~c~~cc~~t~~ccag agtaaaagtc caagattcca 540  
57 cctgtgggag ctacagatcc agagactt~~c~~ aagctgacta gagtg~~c~~agag aagcaagacc 600  
59 tc~~a~~gtgtgat cagccgagac tacagcatct tgg~~g~~accct cagtcagccc caa~~ac~~cccta 660  
61 acacttaacc actgg~~t~~ctcc aaaccaacac ctgtaacttc ctaatgaaat catcaggagg 720  
63 atacaaaag aaataaaacca taaatcagca tacacacg 758  
66 <210> SEQ ID NO: 2  
67 <211> LENGTH: 2063  
68 <212> TYPE: DNA

Does Not Comply  
Corrected Diskette Needed  
(PS.1)

See error explanation on  
page 5,

pls explain  
(N)  
(S)

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/574,469

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TIME: 12:29:11

Input Set : A:\SQ-AIA-113.ST25.txt  
Output Set: N:\CRF4\04172006\J574469.raw

69 <213> ORGANISM: Homo sapiens  
 71 <400> SEQUENCE: 2  
 72 ctctgccat tggaaacac ctctctatga ctctataaat gtccaagggt gccccaaagg 60  
 74 aggacttctg cagcacagct ccctcccaag gacgtaaaaa tctgccttct caccatgagg 120  
 76 cttctagtcc ttccagcct gctctgtatc ctgctctct gcttcctccat cttctccaca 180  
 78 gaaggaaaga ggcgtcctgc caaggcctgg tcaggcagga gaaccaggtt ctgctgccac 240  
 80 cgagtcccta gccccaaactc aacaaacctg aaaggacatc atgtgaggtt ctgtaaacca 300  
 82 tgcaagctt agccagagcc ccgccttgg gtgggtcctg gggcactccc acaggtgtag 360  
 84 cactccaaa gcaagactcc agacagcggg gaacccatg cctggcacct gaggtaccca 420  
 86 gcagcctcct gtctccctt tcagccttca cagcagttagt ctgcaatgtt ggagggttc 480  
 88 atctcgggct gcaaggaccc tggaaagtt ccagaactcc acgtccttgtt ctcaatttgt 540  
 90 ccatcaactt tcagagctat catgagccaa cctcagcctt ccgagtagct gggattacag 600  
 92 gtgtgcgcca ccacacccgg ctaattttt cttttttt tttttagaca gaatctcgct 660  
 94 ctgtgctca ggctggagtg gaggcgttg gcacgatctc agctcactgc agcctctgcc 720  
 96 tcccggttc aggagattct cctgactcaa cctcctgagt agctgggattt acaggtgcct 780  
 98 gcaactatgc cttagtaatt ttgttatttt tagtggagac ggggttttc cgtgtggcc 840  
 100 ggggtgtct cgaactcctg acctcaagtg atccacccgc atcggccccc caaagtgtct 900  
 102 ggattatagg cgtgaaccac cgcgcctgtc ccattgttgt gtaattttaa taatttagtt 960  
 104 tttaagtact tgattttatg ggjatatttt tggggatgtt ttggagttaa tcaaataaaag 1020  
 106 ttgtcatgtt ytytagtctg gtaagataac ttctttaat tcatgttttc tctgtgttga 1080  
 108 ggtgtgagg gaaagatctt aatcagtatt ttggtaatta actgattgaa ttcaagcaaa 1140  
 110 tgagacatca tgaacttcag tggatttttttatttcagg tatatacctg aaatgcctag 1200  
 112 aggatacaga ttctcattt catttttgg tcttcattt ctctatatac agaaatgaaa 1260  
 114 tgacacttct gggaggcagt agaagcagga agtcaatgaa ttgagtagag ggtccattc 1320  
 116 cctcaggctg tcattgtca gtgacaattt ataaaaacaa actgcaaaagt ctgtggcaag 1380  
 118 tggctgcctg cttcttagaa ggagcccatg aaggttaaac tctgtggctg gtatttgc 1440  
 120 gcgccggcgg tgggtggctca cgcctgtat cctagcacct tggaggcca aggcaggcgg 1500  
 122 atcaccgcag gtcaggagtt tgaggattt caagcaaaag gtcctcttgc gatgttttgc 1560  
 124 cagataacca gcagtcaga ggctagctgt ggaagggttc agtggacacag gaatgtattt 1620  
 126 tatgccttgc cttacttgc accattgaga ttocagaga aatgggata acgtcttta 1680  
 128 acaacaacag cagaaagcaa aatacattaa cttaagggtt acaacaaaag attatcaagt 1740  
 130 accatgtttt ccaaccaacc agttattctg gtaataata aaataaaggt gggaaaatgt 1800  
 132 tataattttt aaggaaaactg tggactttaa aaatcttctt tatgaatatac caatgttact 1860  
 134 gtaatctgc tccattaaat gcagcattgt tggacttgc tgcctcttgc ttggaaacag 1920  
 136 cattggctt ttaatgtct gcagaatctc tgcgttcgaa gggaaattttagt aatgaacttc 1980  
 138 ctggactgt aatgaaaata aggtctgtc aacacagtaa acgttccctc tcttctttaa 2040  
 140 aaaaaaaaaaaaaaaa aaaaaaaaaaaa aaa 2063  
 143 <210> SEQ ID NO: 3  
 144 <211> LENGTH: 742  
 145 <212> TYPE: DNA  
 146 <213> ORGANISM: Rat  
 148 <400> SEQUENCE: 3  
 149 ttttttgg ccactgcttc ctctctatgc gtggagactcc agtacttca ctatgcgact 60  
 151 tctcacccttc tccgggttgc tttcatgtt gtccctctgt ctctgcgttc tctcctcaga 120  
 153 agggagaaag cgtccctgcca agttcccgaa actcaggcct gctgtcatct atctcctaga 180  
 155 tccaaaccaa taactggaaa gggaaaccaca caagaccctg cagaccatgc agaaagctag 240  
 157 aatccaattt atgggggttgc gcttgggctt ctccacaga tatagggttgc cccgaagctg 300  
 159 gcctccaccg agatgaaaacg ttgtatgttca gttatggaga caaccttctg gccccttacca 360  
 161 accttcatgg ccagaaagct gtgacaccatg aatgtttcac ttccagacagc tgaaggatta 420

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/574,469

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Input Set : A:\SQ-AIA-113.ST25.txt  
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163 cagaattcca agccctcggt ccaaagggtgc aaccaacctt cagagtcaact atgatccagg	480
165 gtcagcccac aagtcttcat ggctcctgca gagtaaaagt ccaagattcc atccctggga	540
167 gctacagatt cagagacttc caagctgact ggcgaacaga gtagcaagac ttccctgtga	600
169 tcaagatgaga ttacagcattt taggaaccc tcggacaccc ccaaaccat agcatttaat	660
171 caacgggata tgaaccaact cctgttaactt cctaattaa tcaccaggag aacaccaaaa	720
173 ataataaaatc ataaatcaat gt	742
176 <210> SEQ ID NO: 4	
177 <211> LENGTH: 20	
178 <212> TYPE: DNA	
179 <213> ORGANISM: Artificial	
181 <220> FEATURE:	
182 <223> OTHER INFORMATION: Sense Primer	
184 <400> SEQUENCE: 4	
185 ttctttgcct gctgctcata	20
188 <210> SEQ ID NO: 5	
189 <211> LENGTH: 20	
190 <212> TYPE: DNA	
191 <213> ORGANISM: Artificial	
193 <220> FEATURE:	
194 <223> OTHER INFORMATION: Antisense Primer	
196 <400> SEQUENCE: 5	
197 gacaaggatg agaaaaacacg	20
200 <210> SEQ ID NO: 6	
201 <211> LENGTH: 20	
202 <212> TYPE: DNA	
203 <213> ORGANISM: Artificial	
205 <220> FEATURE:	
206 <223> OTHER INFORMATION: Sense Primer	
208 <400> SEQUENCE: 6	
209 actccggctc cttcactatg	20
212 <210> SEQ ID NO: 7	
213 <211> LENGTH: 20	
214 <212> TYPE: DNA	
215 <213> ORGANISM: Artificial	
217 <220> FEATURE:	
218 <223> OTHER INFORMATION: Antisense Primer	
220 <400> SEQUENCE: 7	
221 ctttggaaatg aggacttgga	20

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/17/2006  
PATENT APPLICATION: US/10/574,469 TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt  
Output Set: N:\CRF4\04172006\J574469.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6

### Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#: 4, 5, 6, 7

VARIABLE LOCATION SUMMARY  
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006  
TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt  
Output Set: N:\CRF4\04172006\J574469.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:1; N Pos. 6

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006  
TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt  
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L:19 M:270 C: Current Application Number differs, Replaced Current Application No  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:39 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1  
L:39 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1  
L:39 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:1  
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0